



PATENT
Attorney Docket No: ECD-0014

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): James A. Merkle, Jr. *et al.* Examiner: Not yet assigned
Serial No.: 10/062,400 Group Art Unit: 2131
Filing Date: February 1, 2002
Title: SYSTEMS AND METHODS FOR MEDIA AUTHENTICATION

CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8

I hereby certify that this correspondence is being deposited with the United States Post Office as First Class Mail in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C., 20231.

11-22-08
Date

Vanessa Marakas
Vanessa Marakas

Assistant Commissioner for Patents
Washington, DC 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is submitted:

- ☐ under 37 C.F.R. 1.129(a), or
(First/Second submission after Final Rejection)
- ☒ under 37 C.F.R. 1.97(b), or
(Within three months of filing national application; or date of entry of the national stage in international application; or before mailing date of first office action on the merits, whichever occurs last)
- ☐ under 37 C.F.R. 1.97(c) together with either:
 - ☐ a Certification under 37 C.F.R. 1.97(e), as checked below, or
 - ☐ a \$240.00 fee under 37 C.F.R. 1.17(p), or
(After the 37 C.F.R. 1.97(b) time period, but before final action or notice of allowance, whichever occurs first)
- ☐ under 37 C.F.R. 1.97(d) together with:
 - ☐ a Certification under 37 C.F.R. 1.97(e), as checked below, and
 - ☐ a petition under 37 C.F.R. 1.97(d) (2), and
 - ☐ a \$130.00 petition fee set forth in 37 C.F.R. 1.17(i).
(Filed after final action or notice of allowance, whichever occurs first, but before payment of the issue fee)

Applicant(s): James A. Merkle, Jr. *et al.*

Serial No.: 10/062,400

Certification Under 37 C.F.R. 1.97(e)

- ☐ Each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement.
- ☐ No item of information contained in this Information Disclosure Statement was cited in a communication from a foreign application or, to the knowledge of the undersigned, after making reasonable inquiry, was known to any individual designated in 37 C.F.R. 1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

Enclosed herewith is form PTO-1449:

- ☒ Copies of cited references are enclosed.
- ☐ Copies of cited references are enclosed except those entered in prior application, U.S. Serial No. _____, and references that are not required to be submitted under 37 C.F.R. 1.98.
- ☐ The listed references were cited in the enclosed International Search Report in a counterpart foreign application.

Concise Explanation Requirement (non-English references):

- ☐ The "concise explanation" requirement under 36 C.F.R. 1.98(a)(3) for reference(s) ____ is satisfied by:
 - ☐ the explanation provided on the attached sheet.
 - ☐ the explanation provided in the Specification.
 - ☐ abstract.

It is requested the information disclosed herein be made of record in this application.

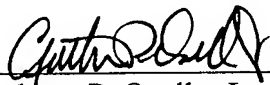
Applicant(s): James A. Merkle, Jr. *et al.*
Serial No.: 10/062,400

Method of payment:

- ☐ Enclosed is a check in the amount of _____.
- ☐ Please charge Deposit Account of 50-1798 in the amount of _____.
- ☐ Two duplicate copies of this Statement are enclosed.
- ☒ Please charge any deficiency in fees and credit any overpayment to Deposit Account No. 50-1798.

Respectfully submitted,

Date: November 22, 2002
MILLS & ONELLO, LLP
Eleven Beacon Street, Suite 605
Boston, MA 02108
Telephone: (617) 994-4900
Facsimile: (617) 742-7774
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Anthony P. Onello, Jr.
Registration Number 38,572
Attorney for Applicant



Subst. Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)				Docket Number (Optional) ECD-0014		Application Number 10/062,400		
				Applicant James A. Merkle, Jr., et al.				
				Filing Date 02/01/02		Group Art Unit 2131		
U. S. Patent Documents								
EXAMINER INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	AA	4,168,396	09/18/79	Best	178	22	10/31/77	
	AB	4,176,247	11/27/79	Englund	178	22	10/10/73	
	AC	4,223,050	09/16/80	Nyfelner, et al.	427	163	10/03/78	
	AD	4,246,638	01/20/81	Thomas	364	200	09/14/78	
	AE	4,263,634	04/21/81	Chenoweth, et al.	360	133	09/17/79	
	AF	5,027,396	06/25/91	Platteter, et al.	380	4	05/07/90	
	AG	4,279,852	07/21/81	Engelmann	264	227	03/06/80	
	AH	4,333,113	06/01/82	Kalinowski	360	27	06/16/80	
	AI	4,335,173	06/15/82	Caraballo	428	65	09/22/80	
	AJ	4,336,981	06/29/82	Mori	350	358	07/25/80	
	AK	5,191,611	03/02/93	Lang	380	25	01/18/91	
FOREIGN PATENT DOCUMENTS								
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							YES	NO
	AL							
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U. S. Patent Documents								
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	BA	4,433,207	02/21/84	Best	178	22.09	09/10/81	
	BB	4,446,519	05/01/84	Thomas	364	300	05/26/81	
	BC	4,453,074	06/05/84	Weinstein	235	380	10/19/81	
	BD	4,454,594	06/12/84	Heffron, et al.	364	900	11/25/81	
	BE	4,458,315	07/03/84	Uchenick	364	200	02/25/82	
	BF	4,462,076	07/24/84	Smith, III.	364	200	06/04/82	
	BG	4,465,901	08/14/84	Best	178	22.08	07/02/81	
	BH	4,471,163	09/11/84	Donald, et al.	178	22.08	10/05/81	
	BI	4,479,579	10/30/84	Miklos	206	309	11/24/82	
	BJ	4,495,526	01/22/85	Baranoff-Rossine	360	15	10/25/82	
	BK	4,510,508	04/09/85	Janssen	346	135.1	04/15/83	
FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation YES NO	
	BL							
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U. S. Patent Documents							
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CA	4,513,174	04/23/85	Herman	178	22.08	03/19/81	
CB	4,528,588	06/09/85	Lofberg	358	122	09/25/81	
CC	4,558,176	12/10/85	Arnold, et al.	178	22.08	09/20/82	
CD	4,573,119	02/25/86	Westheimer, et al.	364	200	07/11/83	
CE	4,577,289	03/18/86	Comerford, et al.	364	900	12/30/83	
CF	4,584,641	04/22/86	Gugliemino	364	200	08/29/83	
CG	4,590,470	05/20/86	Koenig	340	825.31	07/11/83	
CH	4,593,353	06/03/86	Pickholtz	364	200	10/26/81	
CI	4,595,950	06/17/86	Lofberg	358	122	12/17/84	
CJ	4,634,807	01/06/87	Chorley, et al.	178	22.08	08/23/85	
CK	4,644,493	02/17/87	Chandra, et al.	364	900	09/14/84	

FOREIGN PATENT DOCUMENTS								
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							YES	NO
CL								
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
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DA	4,649,233	03/10/87	Bass, et al.	380	21	04/11/85	
DB	4,652,990	03/24/87	Pailen, et al.	364	200	10/27/83	
DC	4,658,093	04/14/87	Hellman	380	25	07/11/83	
DD	4,670,857	06/02/87	Rackman	380	4	10/26/81	
DE	4,677,604	06/30/87	Selby, et al.	369	33	02/04/85	
DF	5,312,663	05/17/94	Kosinski, et al.	428	64	12/27/91	
DG	4,683,553	07/28/87	Mollier	380	4	02/05/86	
DH	4,683,968	08/04/87	Appelbaum, et al.	380	4	09/03/85	
DI	4,685,055	08/04/87	Thomas	364	200	07/01/85	
DJ	4,695,993	09/22/87	Takagi, et al.	369	54	06/10/85	
DK	4,698,695	10/06/87	Kosaka, et al.	358	338	09/16/85	

FOREIGN PATENT DOCUMENTS								
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DL								
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	EA	4,724,492	02/09/88	Kosaka, <i>et al.</i>	358	342	09/16/85	
	EB	4,734,796	03/29/88	Grynberg, <i>et al.</i>	360	60	09/06/83	
	EC	4,740,890	04/26/88	William	364	200	12/22/83	
	ED	4,742,543	05/03/88	Frederiksen	380	9	07/10/86	
	EE	4,747,139	05/24/88	Taaffe	380	44	10/21/86	
	EF	4,752,554	06/21/88	Sato, <i>et al.</i>	430	273	06/02/86	
	EG	4,757,468	07/12/88	Domenik, <i>et al.</i>	364.	900	04/21/87	
	EH	4,757,534	07/12/88	Matyas, <i>et al.</i>	380	25	02/03/87	
	EI	4,761,775	08/02/88	Murakami	369	46	01/23/87	
	EJ	4,785,361	11/15/88	Brothby	360	60	12/16/86	
	EK	4,796,181	01/03/89	Wiedemer	364	406	10/24/86	
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	ECD-0014	10/062,400
	Applicant James A. Merkle, Jr., <i>et al.</i>	
	Filing Date 02/01/02	Group Art Unit 2131

U. S. Patent Documents

EXAMINER INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	FA	4,796,220	01/03/89	Wolfe	364	900	12/15/86
	FB	4,849,836	07/18/89	Kachikian	360	60	07/24/86
	FC	4,849,927	07/18/89	Vos	364	900	09/22/87
	FD	4,858,036	08/15/89	Ginkel	360	60	08/04/86
	FE	4,866,769	09/12/89	Karp	380	4	08/05/87
	FF	4,868,805	09/19/89	Hanami, <i>et al.</i>	369	53	08/13/87
	FG	4,879,704	11/07/89	Takagi, <i>et al.</i>	369	14	07/16/87
	FH	4,891,504	01/02/90	Gupta	235	462	06/17/85
	FI	4,839,883	06/13/89	Nagata, <i>et al.</i>	369	286	06/25/87
	FJ	4,903,296	02/20/90	Chandra, <i>et al.</i>	380	4	11/12/86
	FK	4,907,216	03/06/90	Rijnsburger	369	275	12/09/87

FOREIGN PATENT DOCUMENTS

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	AL							
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U. S. Patent Documents								
EXAMINER INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
GA	4,910,725	03/20/90	Drexler, et al.	369	275	10/17/86		
GB	4,942,565	07/17/90	Lagadec	369	59	07/28/89		
GC	4,949,331	08/14/90	Maeda, et al.	369	275.3	06/17/86		
GD	4,959,861	09/25/90	Howlette	380	4	07/13/88		
GE	4,961,182	10/02/90	Saito, et al.	369	124	06/29/88		
GF	4,967,403	10/30/90	Ogawa, et al.	369	44.26	04/20/88		
GG	5,703,858	12/30/97	Mitchell, et al.	369	58	10/21/96		
GH	4,975,898	12/04/90	Yoshida	369	100	08/18/88		
GI	4,980,782	12/25/90	Ginkel	360	60	06/03/85		
GJ	4,991,163	02/05/91	Tokushuku, et al.	369	275.4	02/08/88		
GK	5,004,232	04/02/91	Wong, et al.	273	435	10/13/89		
FOREIGN PATENT DOCUMENTS								
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation		
						YES	NO	
GL								
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
	GR							
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	HA	5,060,219	10/22/91	Lokhoff, et al.	369	48	12/20/88	
	HB	5,065,429	11/12/91	Lang	380	25	10/14/90	
	HC	5,153,861	10/06/92	Maeda, et al.	369	32	12/13/89	
	HD	5,073,925	12/17/91	Nagata, et al.	380	3	06/13/90	
	HE	5,122,912	06/16/92	Kanota, et al.	360	46	05/18/89	
	HF	5,150,339	9/22/92	Ueda, et al.	369	32	04/20/90	
	HG	5,155,768	10/13/92	Matsuhara	380	23	03/11/91	
	HH	5,159,633	10/27/92	Nakamura	380	30	01/15/91	
	HI	5,168,482	12/01/92	Aratani, et al.	369	13	08/29/90	
	HJ	5,179,547	01/12/93	Komaki, et al.	369	275.4	05/28/91	
	HK	5,204,152	04/20/93	Yoshizawa	428	64	04/02/92	
FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation YES NO	
	HL							
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	HN							
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	IA	5,224,087	06/29/93	Maeda, <i>et al.</i>	369	54	08/19/91	
	IB	5,243,423	09/07/93	DeJean, <i>et al.</i>	358	142	12/20/91	
	IC	5,255,007	10/19/93	Bakx	346	1.1	11/13/90	
	ID	5,276,738	01/04/94	Hirsch	380	46	12/17/92	
	IE	5,285,440	02/08/94	Matsuda	369	275.3	12/11/92	
	IF	5,323,367	06/21/94	Tamura, <i>et al.</i>	369	32	10/22/92	
	IG	5,350,923	09/27/94	Bassignana, <i>et al.</i>	250	453.11	12/23/92	
	IH	5,371,792	12/06/94	Asai, <i>et al.</i>	380	3	12/21/93	
	II	5,379,433	01/03/95	Yamagishi	395	725	03/16/93	
	IJ	5,392,351	02/21/95	Hasebe, <i>et al.</i>	380	4	03/15/93	
	IK	5,400,403	03/21/95	Fahn, <i>et al.</i>	380	21	08/16/93	
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	IL							
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	JA	5,410,527	04/25/95	Ashinuma	369	50	07/28/92
	JB	5,412,718	05/02/95	Narasimhalu, et al.	380	4	09/13/93
	JC	5,418,852	05/23/95	Itami, et al.	380	4	03/17/93
	JD	5,424,102	06/13/95	Mizukuki, et al.	427	510	01/03/94
	JE	5,430,281	07/04/95	Lentz, et al.	235	454	02/28/94
	JF	5,457,668	10/10/95	Hibino, et al.	369	32	08/25/93
	JG	5,457,746	10/10/95	Dolphin	380	4	12/19/94
	JH	5,475,664	12/12/95	Shimzume, et al.	369	44.29	03/16/95
	JI	5,489,768	02/06/96	Brownstein, et al.	235	414	12/31/92
	JJ	5,513,169	04/30/96	Fite, et al.	369	272	11/29/94
	JK	5,513,260	04/30/96	Ryan	380	3	06/29/94

FOREIGN PATENT DOCUMENTS

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	JL							
	JM							
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U. S. Patent Documents							
EXAMINER INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
KA	5,538,773	07/23/96	Kondo	428	64.1	06/28/94	
KB	5,541,904	06/02/95	Fite, et al.	369	58	06/02/95	
KC	5,552,098	03/03/94	Kudo, et al.	264	106	03/03/94	
KD	5,563,947	10/08/96	Kikinis	380	4	12/20/95	
KE	5,570,339	10/29/96	Nagano	369	275.3	07/21/94	
KF	5,572,507	11/05/96	Ozaki, et al.	369	275.4	09/11/95	
KG	5,579,113	11/26/96	Papst, et al.	356	426	03/10/95	
KH	5,587,984	12/24/96	Owa, et al.	369	103	09/08/95	
KI	5,590,111	12/31/96	Kirino, et al.	369	116	07/13/93	
KJ	5,596,639	01/30/95	Kikinis	380	4	01/30/95	
KK	5,661,703	08/26/97	Moribe, et al.	369	14	03/21/96	

FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
KL								
KM								
KN								
KO								
KP								
KQ								

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
	KR	
	KS	
	KT	

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy with next communication to applicant.

Subst. Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>				Docket Number (Optional) ECD-0014		Application Number 10/062,400	
				Applicant James A. Merkle, Jr., et al.			
				Filing Date 02/01/02		Group Art Unit 2131	

U. S. Patent Documents							
EXAMINER INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
LA	5,696,757	12/09/97	Ozaki, et al.	369	275.4	09/23/96	
LB	5,698,833	12/16/97	Skinger	235	462	04/15/96	
LC	5,706,047	01/06/98	Lentz, et al.	347	262	04/24/95	
LD	5,706,266	01/06/98	Brownstein, et al.	369	58	05/01/95	
LE	5,714,935	02/03/98	Ryan, Jr.	340	572	02/03/95	
LF	5,719,937	02/17/98	Warren, et al.	380	4	09/12/96	
LG	5,724,327	03/03/98	Timmermans, et al.	369	48	02/14/95	
LH	5,737,286	04/07/98	Timmermans, et al.	369	44.13	02/15/95	
LI	5,754,649	05/19/98	Ryan, et al.	380	4	06/23/97	
LJ	5,761,301	06/02/98	Oshima, et al.	380	4	11/17/95	
LK	5,805,551	09/08/98	Oshima, et al.	369	59	04/25/97	

FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
LL							
LM							
LN							
LO							
LP							
LQ							

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
LR		
LS		
LT		

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					Filing Date 02/01/02		Group Art Unit 2131	
U. S. Patent Documents								
EXAMINER INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	MA	5,809,006	09/15/98	Davis, et al.	369	275.4	05/31/96	
	MB	5,812,501	09/22/98	Moribe, et al.	369	14	03/13/97	
	MC	5,807,640	09/15/98	Ueno, et al.	428	64.1	08/28/95	
	MD	5,306,349	04/26/94	Nee	134	1	11/23/92	
	ME	5,818,812	10/6/98	Moribe, et al.	369	275.1	04/15/96	
	MF	5,822,291	10/13/98	Brindze, et al.	369	94	11/21/95	
	MG	5,826,156	10/20/98	Natsume, et al.	399	389	02/27/97	
	MH	5,267,311	11/30/93	Bakhoun	380	4	12/08/92	
	MI	5,886,979	03/23/99	Moribe, et al.	369	275.3	03/14/97	
	MJ	5,905,798	05/18/99	Nerlikar, et al.	380	3	05/02/97	
	MK	5,930,209	07/27/99	Spitzenberger, et al.	369	32	07/24/97	
FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation YES NO	
	AL							
	AM							
	AN							
	AO							
	AP							
	AQ							
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
	AR							
	AS							
	AT							
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				Applicant James A. Merkle, Jr., et al.			
				Filing Date 02/01/02		Group Art Unit 2131	
U. S. Patent Documents							
EXAMINER INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	NA	5,930,210	07/27/99	Timmermans, et al.	369	44.13	11/26/97
	NB	5,960,398	09/28/99	Fuchigami, et al.	704	270	07/28/97
	NC	5,963,909	10/5/99	Warren, et al.	705	1	11/25/97
	ND	5,881,038	03/09/99	Oshima, et al.	369	59	04/18/95
	NE	6,052,465	04/18/00	Gotoh, et al.	380	4	05/16/96
	NF	6,101,476	08/08/00	Kamatakis, et al.	705	1	07/21/97
	NG	6,108,296	08/22/00	Kajiyama, et al.	369	275.4	08/19/98
	NH	6,122,739	09/19/00	Kutaragi, et al.	713	200	11/13/95
	NI	6,167,136	12/26/00	Chou	380	201	05/16/97
	NJ	6,204,981	03/20/01	Ogino, et al.	360	60	02/27/98
	NK	6,226,244	05/01/01	Timmermans, et al.	369	48	04/21/99
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation YES NO
	NL						
	NM						
	NN						
	NO						
	NP						
	NQ						
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
	NR						
	NS						
	NT						
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				Applicant James A. Merkle, Jr., et al.				
				Filing Date 02/01/02		Group Art Unit 2131		
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EXAMINER INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	OA	6,262,967	07/17/01	Kajiyama, et al.	369	275.4	01/20/00	
	OB	6,285,764	09/04/01	Gotoh, et al.	380	203	10/04/00	
	OC	6,298,138	10/02/01	Gotoh, et al.	380	203	10/04/00	
	OD	6,304,971	10/16/01	Kutaragi, et al.	713	200	08/16/99	
	OE	2001/0024411	09/27/01	Pirot, et al.	369	53.21	02/09/01	
	OF							
	OG	5,153,861	10/6/92	Maeda, et al.	369	32	12/13/89	
	OH	5,770,348	06/23/98	Kondo	430	321	03/27/96	
	OI	5,306,349	4/26/94	Nee	134	1	11/23/92	
	OJ	5,430,281	7/4/95	Lentz, et al.	235	454	2/28/94	
	OK	6,011,765	01/04/00	Nishio	369	59	04/07/97	
FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
	OL							
	OM							
	ON							
	OO							
	OP							
	OQ							
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
	OR							
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	OT							
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				Applicant James A. Merkle, Jr., et al.			
				Filing Date 02/01/02		Group Art Unit 2131	
U. S. Patent Documents							
EXAMINER INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	PA	6,029,259	02/22/00	Sollish, et al.	714	719	06/15/98
	PB						
	PC						
	PD						
	PE						
	PF						
	PG						
	PH						
	PI						
	PJ						
	PK						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation YES NO
	PL						
	PM						
	PN						
	PO						
	PP						
	PQ						
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
	PR						
	PS						
	PT						
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